

PROJECT DESCRIPTION

THIS PROJECT INVOLVES THE MODIFICATION OF EXISTING TRAFFIC CONTROL SIGNAL AT THE INTERSECTION OF MD 25 (FALLS ROAD) AND MD 133 (OLD COURT RD./RUXTON RD.) IN BALTIMORE COUNTY. MD 25 IS ASSUMED TO RUN IN A NORTH-SOUTH DIRECTION.

CONTROLLER OPERATION

THE CONTROLLER CURRENTLY OPERATES IN A FOUR PHASE, FULL-TRAFFIC-ACTUATED MODE. THIS WILL REMAIN THE SAME. INSTALL ONE 4-CHANNEL TIME DELAY OUTPUT LOOP DETECTOR AMPLIFIER IN EXISTING CABINET.

PHASE CHART

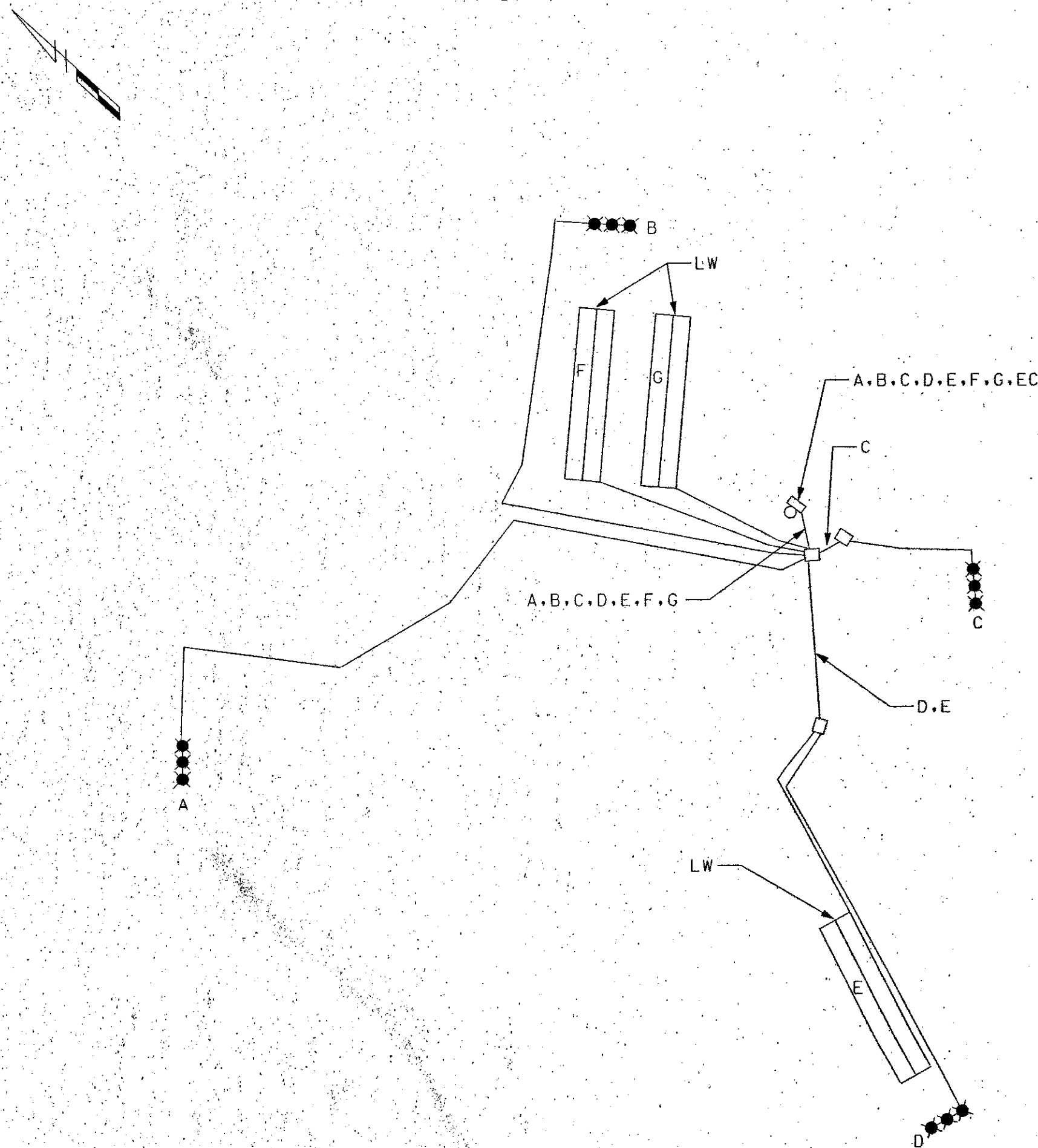
PHASING WILL NOT CHANGE

EQUIPMENT LIST "B"

B. EQUIPMENT TO BE FURNISHED AND/OR INSTALLED BY CONTRACTOR. ALL EQUIPMENT SHALL HAVE CATALOG CUTS SUBMITTED TO OOTS FOR APPROVAL PRIOR TO INSTALLATION.

| CATEGORY CODE NO. | QUANTITY | DESCRIPTION   |
|-------------------|----------|---|
| 585416            | 75 LF    | FURNISH AND INSTALL 24 IN. WHITE HEAT APPLIED THERMOPLASTIC PAVEMENT MARKING                  |
| 810550            | 4 EA     | FURNISH AND INSTALL MICRO-LOOP PROBE SET 500 FT. LEAD-IN                                      |
| 805011            | 20 LF    | FURNISH AND INSTALL 1 IN. ELECTRICAL CONDUIT GALVANIZED SLEEVE                                |
| 805160            | 40 LF    | FURNISH AND INSTALL 1 IN. LIQUID TIGHT FLEXIBLE NON-METALLIC CONDUIT FOR DETECTOR WIRE SLEEVE |
| 861104            | 100 LF   | FURNISH AND INSTALL ELECTRICAL CABLE 2-CONDUCTOR (ALUMINUM SHIELDED)                          |
| 862101            | 1500 LF  | FURNISH AND INSTALL LOOP WIRE ENCASED IN FLEXIBLE TUBING (NO. 14 A.W.G.)                      |
| 862102            | 1300 LF  | FURNISH AND INSTALL SAW CUT FOR SIGNAL LOOP DETECTOR  |
| 800000            | 1 EA     | INSTALL 4-CHANNEL TIME DELAY OUTPUT LOOP DETECTOR AMPLIFIER                                   |
| 813015            | 55 SF    | INSTALL SHEET ALUMINUM SIGNS  |

WIRING DIAGRAM



WIRING KEY

- A-D MICRO-LOOP PROBE
- E-G 2-CONDUCTOR ELECTRICAL CABLE (NO. 14 A.W.G.) ALUMINUM SHIELDED
- ML MICRO-LOOP PROBE
- LW LOOP WIRE (NO. 14 A.W.G.)
- EC EXISTING CABLE

EQUIPMENT LIST "A"

A. EQUIPMENT TO BE SUPPLIED BY SHA AND INSTALLED BY THE CONTRACTOR

| ITEM NO. | QUANTITY | DESCRIPTION   |
|----------|----------|---|
| 963010   | 1 EA     | FURNISH AND INSTALL 4-CHANNEL TIME DELAY OUTPUT LOOP DETECTOR AMPLIFIER |
| 973023   | 55 SF    | FLAT SHEET ALUMINUM SIGNS CONSTING OF:                                  |
|          | 1 EA     | D3-2 SIGN "FALLS RD." (VAR. X 16") - POLE MOUNTED                       |
|          | 1 EA     | D3-2 SIGN "RUXTON RD." AND "OLD COURT RD." (VAR. X 32") - POLE MOUNTED  |
|          | 1 EA     | D3-2 SIGN "OLD COURT RD." AND "RUXTON RD." (VAR. X 32") - POLE MOUNTED  |

CONTACT PERSONS FOR DISTRICT 4 ARE AS FOLLOWS:

|   |  |
|---|--|
| MR. JOSEPH MCMAHON<br>ASSISTANT DISTRICT ENGINEER - UTILITIES<br>(410) 321-2841     | MR. DAVE RAMSEY<br>ASSISTANT DISTRICT ENGINEER - MAINTENANCE<br>(410) 321-2761   |
| MR. RANDALL SCOTT<br>ASSISTANT DISTRICT ENGINEER - TRAFFIC<br>(410) 321-2781        | MR. EUGENE BAILEY<br>TEAM LEADER SIGN OPERATIONS<br>(410) 787-7676               |
| MR. RICHARD DAFF SR.<br>CHIEF, TRAFFIC OPERATIONS<br>(410) 787-7630                 | MR. DAVID SCHWARTZ<br>SUPPLY OFFICE IV (SIGNAL SHOP WAREHOUSE)<br>(410) 787-7668 |
| MR. ROBERT SNYDER<br>ASSISTANT DIVISION CHIEF, TRAFFIC OPERATIONS<br>(410) 787-7631 |  |
| MR. ED RODENHIZER<br>TEAM LEADER SIGNAL OPERATIONS<br>(410) 787-7652                |  |

EQUIPMENT LIST "C"

C. EXISTING EQUIPMENT TO BE REMOVED BY THE CONTRACTOR AND DELIVERED TO THE STATE HIGHWAY ADMINISTRATION, 7491 CONNELLEY DRIVE, HANOVER, MARYLAND 21076. THE CONTRACTOR SHALL NOTIFY THE SHA AT (410) 787-7652 AT LEAST THREE DAYS IN ADVANCE OF DELIVERY.

| ITEM NO.   | QUANTITY | DESCRIPTION |
|--|----------|-------------|
| NONE   |          |             |
| NOTE: ALL SIGNAL EQUIPMENT AND MATERIAL TO BE REMOVED NOT LISTED ABOVE SHALL BECOME THE PROPERTY OF THE CONTRACTOR |          |             |

TRAFFIC CONCEPTS, INC.

325 Gambrills Road  
Suite E  
Gambrills, MD 21054  
(410) 923-7101



MARYLAND DOT - STATE HIGHWAY ADMINISTRATION  
Office of Traffic & Safety  
TRAFFIC ENGINEERING DESIGN DIVISION  
GENERAL INFORMATION SHEET  
MD 25 (FALLS ROAD) AT MD 133 (OLD COURT RD./RUXTON RD.)

|                       |                   |              |                     |
|-----------------------|-------------------|--------------|---------------------|
| DRAWN BY: M. HOWELL   | F.A.P. NO.        | TS NO.       | SHEET NO.<br>2 OF 2 |
| CHECKED BY: T. ZAYDEL | S.H.A. NO.        | 3194C GI     |                     |
| SCALE: NONE           | COUNTY: BALTIMORE | T.I.M.S. NO. |                     |
| DATE: 10-31-01        | LOG MILE:         | E456         |                     |